

A Reliable Research Partner in Life Science and Medicine

Recombinant Human CDH1 Protein(His Tag)

Catalog Number: PDMH100437

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Species Human

Source HEK293 Cells-derived Human CDH1 protein Asp155-Ala709, with an C-terminal

Calculated MW 61.1 kDa Observed MW 75-80 kDa P12830 Accession

Bio-activity Not validated for activity

Properties

Purity > 95% as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU/mg of the protein as determined by the LAL method

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -

80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs. Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% **Formulation**

Mannitol.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution

of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human CDH1 proteins, 2µg/lane of Recombinant Human CDH1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 75-80 kDa

Background

For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com

Email: techsupport@elabscience.com

Elabscience®

Elabscience Bionovation Inc.

A Reliable Research Partner in Life Science and Medicine

Cadherins are calcium-dependent cell adhesion proteins which preferentially interact with themselves in a homophilic manner in connecting cells, and thus may contribute to the sorting of heterogeneous cell type. E-cadherin (E-Cad), also known as CDH1 and CD324, is a calcium-dependent cell adhesion molecule the intact function of which is crucial for the establishment and maintenance of epithelial tissue polarity and structural integrity. Mutations in CDH1 occur in diffuse type gastric cancer, lobular breast cancer, and endometrial cancer. In human cancers, partial or complete loss of E-cadherin expression correlates with malignancy. During apoptosis or with calcium influx, E-Cad is cleaved by the metalloproteinase to produce fragments of about 38 kDa (E-CAD/CTF1), 33 kDa (E-CAD/CTF2) and 29 kDa (E-CAD/CTF3), respectively. E-Cad has been identified as a potent invasive suppressor, as downregulation of E-cadherin expression is involved in dysfunction of the cell-cell adhesion system, and often correlates with strong invasive potential and poor prognosis of human carcinomas.

For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: w w w .elabscience.com
 Email: techsupport@elabscience.com